

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10032184 on December 04, 2003

8 62/259.2 (1 OR, 7 XR)
Class 062 : REFRIGERATION
62/259.1 STRUCTURAL INSTALLATION
62/259.2 .With electrical component cooling

7 29/740 (3 OR, 4 XR)
Class 029 : METAL WORKING
29/700 MEANS TO ASSEMBLE OR DISASSEMBLE
29/729 .Means to assemble electrical device
29/739 ..Means to fasten electrical component to
wiring board, base, or substrate
29/740 ...Chip component

5 257/E23.147 (0 OR, 5 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/E23.139 ...Liquid at normal operating temperature of
device (EPO)
257/E23.141 .Arrangements for conducting electric current
within device in operation from one component to
another,
interconnections, e.g., wires, lead frames (EPO)
257/E23.142 ..Including external interconnections
consisting of multilayer structure of conductive
and
insulating layers inseparably formed on
semiconductor body
(EPO)
257/E23.146 ...With adaptable interconnections (EPO)
257/E23.147Comprising antifuses, i.e., connections
having their state changed from nonconductive to
conductive
(EPO)

5 365/185.33 (0 OR, 5 XR)
Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL
365/185.01 FLOATING GATE
365/185.18 .Particular biasing
365/185.29 ..Erase
365/185.33 ...Flash

5 710/260 (1 OR, 4 XR)
Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA
PROCESSING SYSTEMS: INPUT/OUTPUT
710/260 INTERRUPT PROCESSING

5 712/228 (3 OR, 2 XR)
Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION
PROCESSING
712/220 PROCESSING CONTROL
712/228 .Context preserving (e.g., context swapping,
checkpointing, register windowing

4 165/170 (2 OR, 2 XR)
Class 165 : HEAT EXCHANGE
165/168 CONDUIT WITHIN, OR CONFORMING TO, PANEL OR WALL
STRUCTURE
165/170 .Opposed plates or shells

4 235/492 (3 OR, 1 XR)
Class 235 : REGISTERS
235/487 RECORDS
235/492 .Conductive

4 361/735 (0 OR, 4 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
ELECTRICAL COMPONENTS
361/679 .For electronic systems and devices
361/728 ..Module
361/729 ...Plural
361/735Stacked

4 365/15 (3 OR, 1 XR)
Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL
365/1 MAGNETIC BUBBLES
365/13 .Plural interacting paths
365/14 ..Closed loop
365/15 ...Major-minor

4 365/185.11 (4 OR, 0 XR)
Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL
365/185.01 FLOATING GATE
365/185.05 .Particular connection
365/185.11 ..Bank or block architecture

4 365/226 (1 OR, 3 XR)
Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL
365/226 POWERING

4 438/131 (1 OR, 3 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/128 MAKING DEVICE ARRAY AND SELECTIVELY
INTERCONNECTING
438/131 .Using structure alterable to conductive state
(i.e., antifuse)

4 705/26 (2 OR, 2 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
PRACTICE OR MANAGEMENT ARRANGEMENT
705/26 .Electronic shopping (e.g., remote ordering)

4 705/37 (1 OR, 3 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS

PRACTICE OR MANAGEMENT ARRANGEMENT

705/35 .Finance (e.g., banking, investment or credit)

705/37 ..Trading, matching, or bidding

4 713/321 (0 OR, 4 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT

713/300 COMPUTER POWER CONTROL

713/320 .Power conservation

713/321 ..Programmable calculator with power saving
feature

4 984/DIG 1 (0 OR, 4 XR)

Class 984 : MUSICAL INSTRUMENTS

984/DIG 1 PAPER COPIES IN NUMERICAL ORDER OF ALL U.S.
PATENTS IN SUBCLASSES 1-398

3 165/165 (1 OR, 2 XR)

Class 165 : HEAT EXCHANGE

165/164 FLOW PASSAGES FOR TWO CONFINED FLUIDS

165/165 .Interdigitated plural first and plural second
fluid passages

3 165/80.3 (2 OR, 1 XR)

Class 165 : HEAT EXCHANGE

165/80.1 WITH RETAINER FOR REMOVABLE ARTICLE

165/80.2 .Electrical component

165/80.3 ..Air cooled, including fins

3 165/80.4 (0 OR, 3 XR)

Class 165 : HEAT EXCHANGE

165/80.1 WITH RETAINER FOR REMOVABLE ARTICLE

165/80.2 .Electrical component

165/80.4 ..Liquid cooled

3 206/714 (2 OR, 1 XR)

Class 206 : SPECIAL RECEPTACLE OR PACKAGE

206/701 HOLDER FOR A REMOVABLE ELECTRICAL COMPONENT

206/713 .Bar or tapelike carrier for plural components

206/714 ..Component retaining pockets

3 257/390 (1 OR, 2 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES

257/264 ...Enhancement mode or with high resistivity
channel (e.g., doping of 10^{15} cm⁻³ or less)

257/288 .Having insulated electrode (e.g., MOSFET, MOS
diode)

257/368 ..Insulated gate field effect transistor in
integrated circuit

257/390 ...Matrix or array of field effect transistors
(e.g., array of FETs only some of which are

completed, or

structure for mask programmed read-only memory (ROM))

3 257/778 (0 OR, 3 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES
257/734 COMBINED WITH ELECTRICAL CONTACT OR LEAD
257/778 .Flip chip

3 257/E23.144 (0 OR, 3 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES

257/E23.139 ...Liquid at normal operating temperature of
device (EPO)

257/E23.141 .Arrangements for conducting electric current
within device in operation from one component to

another,

interconnections, e.g., wires, lead frames (EPO)

257/E23.142 ..Including external interconnections
consisting of multilayer structure of conductive and
insulating layers inseparably formed on

semiconductor body

(EPO)

257/E23.144 ...Capacitive arrangements or effects of, or
between wiring layers (EPO)

3 257/E25.011 (0 OR, 3 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES

257/E25.001 ASSEMBLIES CONSISTING OF PLURALITY OF
INDIVIDUAL SEMICONDUCTOR OR OTHER SOLID-STATE

DEVICES (EPO)

257/E25.002 .All devices being of same type, e.g.,
assemblies of rectifier diodes (EPO)

257/E25.003 ..Devices not having separate containers (EPO)

257/E25.01 ...Device consisting of plurality of
semiconductor or other solid state devices or

components

formed in or on common substrate, e.g., integrated

circuit

device (EPO)

257/E25.011Devices being arranged next and on each
other, i.e., mixed assemblies (EPO)

3 257/E25.013 (0 OR, 3 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES

257/E25.001 ASSEMBLIES CONSISTING OF PLURALITY OF
INDIVIDUAL SEMICONDUCTOR OR OTHER SOLID-STATE

DEVICES (EPO)

257/E25.002 .All devices being of same type, e.g.,
assemblies of rectifier diodes (EPO)

257/E25.003 ..Devices not having separate containers (EPO)

257/E25.01 ...Device consisting of plurality of
semiconductor or other solid state devices or

components

formed in or on common substrate, e.g., integrated

circuit

device (EPO)

257/E25.013Stacked arrangements of devices (EPO)

3 257/E27.102 (0 OR, 3 XR)
 Class 257 : ACTIVE SOLID-STATE DEVICES
 257/E27.006 .Including piezo-electric, electro-resistive,
 or magneto-resistive component (EPO)
 257/E27.009 .Including semiconductor component with at
 least one potential barrier or surface barrier
 adapted for
 rectifying, oscillating, amplifying, or
 switching, or
 Including integrated passive circuit elements
 (EPO)
 257/E27.01 ..With semiconductor substrate only (EPO)
 257/E27.07 ...Including a plurality of individual
 components in a repetitive configuration (EPO)
 257/E27.081Including field-effect component (EPO)
 257/E27.102Read-only memory, ROM, structure (EPO)

3 326/41 (1 OR, 2 XR)
 Class 326 : ELECTRONIC DIGITAL LOGIC CIRCUITRY
 326/37 MULTIFUNCTIONAL OR PROGRAMMABLE (E.G.,
 UNIVERSAL, ETC.)
 326/39 .Array (e.g., PLA, PAL, PLD, etc.)
 326/41 ..Significant integrated structure, layout, or
 layout interconnections

3 361/111 (3 OR, 0 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
 361/111 .Transient responsive

3 361/56 (0 OR, 3 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
 361/54 .Load shunting by fault responsive means (e.g.,
 crowbar circuit)
 361/56 ..Voltage responsive

3 361/699 (2 OR, 1 XR)
 Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
 ELECTRICAL COMPONENTS
 361/679 .For electronic systems and devices
 361/688 ..With cooling means
 361/689 ...Fluid
 361/699Liquid

3 365/12 (0 OR, 3 XR)
 Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL
 365/1 MAGNETIC BUBBLES
 365/11 .Generators
 365/12 ..By splitting

3 365/149 (2 OR, 1 XR)
 Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL

365/129 SYSTEMS USING PARTICULAR ELEMENT
 365/149 .Capacitors

3 365/189.01 (0 OR, 3 XR)
 Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL
 365/189.01 READ/WRITE CIRCUIT

3 365/189.05 (1 OR, 2 XR)
 Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL
 365/189.01 READ/WRITE CIRCUIT
 365/189.05 .Having particular data buffer or latch

3 365/200 (0 OR, 3 XR)
 Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL
 365/189.01 READ/WRITE CIRCUIT
 365/200 .Bad bit

3 365/63 (0 OR, 3 XR)
 Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL
 365/63 INTERCONNECTION ARRANGEMENTS

3 438/396 (3 OR, 0 XR)
 Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
 438/381 MAKING PASSIVE DEVICE (E.G., RESISTOR,
 CAPACITOR, ETC.)
 438/396 .Stacked capacitor

3 438/600 (1 OR, 2 XR)
 Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
 438/584 COATING WITH ELECTRICALLY OR THERMALLY
 CONDUCTIVE MATERIAL
 438/597 .To form ohmic contact to semiconductive
 material
 438/598 ..Selectively interconnecting (e.g.,
 customization, wafer scale integration, etc.)
 438/600 ...Using structure alterable to conductive
 state (i.e., antifuse)

3 705/27 (0 OR, 3 XR)
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
 PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
 705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
 PRACTICE OR MANAGEMENT ARRANGEMENT
 705/26 .Electronic shopping (e.g., remote ordering)
 705/27 ..Presentation of image or description of sales
 item (e.g., electronic catalog browsing)

3 705/53 (0 OR, 3 XR)
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
 PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
 705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY
 705/51 .Usage protection of distributed data files
 705/52 ..Usage or charge determination
 705/53 ...Including third party for collecting or
 distributing payment (e.g., clearinghouse)

3 705/80 (2 OR, 1 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/80 ELECTRONIC NEGOTIATION

3 710/1 (1 OR, 2 XR)
Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA
PROCESSING SYSTEMS: INPUT/OUTPUT
710/1 INPUT/OUTPUT DATA PROCESSING

3 711/103 (2 OR, 1 XR)
Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MEMORY
711/100 STORAGE ACCESSING AND CONTROL
711/101 .Specific memory composition
711/102 ..Solid-state read only memory (ROM)
711/103 ...Programmable read only memory (PROM, EEPROM,
etc.)

3 712/32 (2 OR, 1 XR)
Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION
PROCESSING
712/1 PROCESSING ARCHITECTURE
712/32 .Microprocessor or multichip or multimodule
processor having sequential program control

3 713/193 (1 OR, 2 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/189 DATA PROCESSING PROTECTION USING CRYPTOGRAPHY
713/193 .By stored data protection

3 713/324 (1 OR, 2 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/300 COMPUTER POWER CONTROL
713/320 .Power conservation
713/324 ..By shutdown of only part of system

2 29/721 (1 OR, 1 XR)
Class 029 : METAL WORKING
29/700 MEANS TO ASSEMBLE OR DISASSEMBLE
29/720 .With signal, scale, illuminator, or optical
viewer
29/721 ..For work-holder for assembly or disassembly

2 29/840 (0 OR, 2 XR)
Class 029 : METAL WORKING
29/592 METHOD OF MECHANICAL MANUFACTURE
29/592.1 .Electrical device making
29/825 ..Conductor or circuit manufacturing
29/829 ...On flat or curved insulated base, e.g.,
printed circuit, etc.

29/832 Assembling to base an electrical component,
 e.g., capacitor, etc.

29/840 By metal fusion

2 62/196.4 (1 OR, 1 XR)
 Class 062 : REFRIGERATION
 62/132 AUTOMATIC CONTROL
 62/190 .Refrigeration producer
 62/196.1 ..Bypass, e.g., compressor unloading
 62/196.4 ...Condensor bypass

2 84/477R (0 OR, 2 XR)
 Class 084 : MUSIC
 84/453 ACCESSORIES
 84/470R .Teaching devices
 84/477R ..Indicators

2 84/609 (1 OR, 1 XR)
 Class 084 : MUSIC
 84/1 INSTRUMENTS
 84/600 .Electrical musical tone generation
 84/601 ..Data storage
 84/602 ...Digital memory circuit (e.g., RAM, ROM,
 etc.)
 84/609 Note sequence

2 84/622 (0 OR, 2 XR)
 Class 084 : MUSIC
 84/1 INSTRUMENTS
 84/600 .Electrical musical tone generation
 84/601 ..Data storage
 84/602 ...Digital memory circuit (e.g., RAM, ROM,
 etc.)
 84/622 Tone synthesis or timbre control

2 165/104.33 (0 OR, 2 XR)
 Class 165 : HEAT EXCHANGE
 165/104.11 INTERMEDIATE FLUENT HEAT EXCHANGE MATERIAL
 RECEIVING AND DISCHARGING HEAT
 165/104.19 .Liquid fluent heat exchange material
 165/104.33 ..Cooling electrical device

2 165/164 (0 OR, 2 XR)
 Class 165 : HEAT EXCHANGE
 165/164 FLOW PASSAGES FOR TWO CONFINED FLUIDS

2 221/285 (0 OR, 2 XR)
 Class 221 : ARTICLE DISPENSING
 221/282 WITH CASING OR SUPPORT
 221/285 .Base or support for angular disposition of
 supply container

2 221/306 (0 OR, 2 XR)
 Class 221 : ARTICLE DISPENSING
 221/303 WITH DISPENSING-TYPE OUTLET
 221/306 .With closure for outlet

2 235/380 (0 OR, 2 XR)
Class 235 : REGISTERS
235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS
235/380 .Credit or identification card systems

2 235/382 (0 OR, 2 XR)
Class 235 : REGISTERS
235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS
235/380 .Credit or identification card systems
235/382 ..Permitting access

2 257/211 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/202 GATE ARRAYS
257/208 .With particular signal path connections
257/211 ..Multi-level metallization

2 257/231 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/213 FIELD EFFECT DEVICE
257/215 .Charge transfer device
257/225 ..Non-electrical input responsive (e.g., light responsive imager, input programmed by size of storage sites for use as a read-only memory, etc.)
257/231 ...2-dimensional area architecture

2 257/391 (1 OR, 1 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/264 ...Enhancement mode or with high resistivity channel (e.g., doping of 10^{15} cm⁻³ or less)
257/288 .Having insulated electrode (e.g., MOSFET, MOS diode)
257/368 ..Insulated gate field effect transistor in integrated circuit
257/390 ...Matrix or array of field effect transistors (e.g., array of FETs only some of which are completed, or structure for mask programmed read-only memory (ROM))
257/391Selected groups of complete field effect devices having different threshold voltages (e.g., different channel dopant concentrations)

2 257/532 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/499 INTEGRATED CIRCUIT STRUCTURE WITH ELECTRICALLY ISOLATED COMPONENTS
257/528 .Passive components in ICs
257/532 ..Including capacitor component

2 257/681 (1 OR, 1 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/678 HOUSING OR PACKAGE
257/680 .With window means
257/681 ..For erasing EPROM

2 257/686 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/678 HOUSING OR PACKAGE
257/685 .Multiple housings
257/686 ..Stacked arrangement

2 257/712 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/688 .With large area flexible electrodes in press
contact with opposite sides of active semiconductor
chip
and surrounded by an insulating element, e.g., ring
257/712 .With provision for cooling the housing or its
contents

2 257/714 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/688 .With large area flexible electrodes in press
contact with opposite sides of active semiconductor
chip
and surrounded by an insulating element, e.g.,
ring
257/712 .With provision for cooling the housing or its
contents
257/714 ..Liquid coolant

2 257/722 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/688 .With large area flexible electrodes in press
contact with opposite sides of active
semiconductor chip
and surrounded by an insulating element, e.g.,
ring
257/712 .With provision for cooling the housing or its
contents
257/721 ..With gas coolant
257/722 ...With fins

2 257/723 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/688 .With large area flexible electrodes in press
contact with opposite sides of active semiconductor
chip
and surrounded by an insulating element, e.g., ring
257/723 .For plural devices

2 257/737 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/734 COMBINED WITH ELECTRICAL CONTACT OR LEAD
257/737 .Bump leads

2 257/E21.008 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/E21.001 PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE
OR TREATMENT OF SEMICONDUCTOR OR SOLID-STATE
DEVICES OR OF
PARTS THEREOF (EPO)

257/E21.002 .Manufacture or treatment of semiconductor device (EPO)
 257/E21.003 ..Manufacture of two-terminal component for integrated circuit (EPO)
 257/E21.008 ...Of capacitor (EPO)

2 257/E21.503 (0 OR, 2 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES

257/E21.001 PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE OR TREATMENT OF SEMICONDUCTOR OR SOLID-STATE

DEVICES OR OF

PARTS THEREOF (EPO)

257/E21.002 .Manufacture or treatment of semiconductor device (EPO)

257/E21.04 ..Device having at least one potential-jump barrier or surface barrier, e.g., PN junction,

depletion

layer, carrier concentration layer (EPO)

257/E21.499 ...Assembling semiconductor devices, e.g., packaging , including mounting, encapsulating, or

treatment

of packaged semiconductor (EPO)

257/E21.502Encapsulation, e.g., encapsulation layer, coating (EPO)

257/E21.503Encapsulation of active face of flip-chip device, e.g., under filling or under encapsulation of flip-chip, encapsulation perform on chip or mounting substrate (EPO)

2 257/E21.511 (0 OR, 2 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES

257/E21.001 PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE OR TREATMENT OF SEMICONDUCTOR OR SOLID-STATE

DEVICES OR OF

PARTS THEREOF (EPO)

257/E21.002 .Manufacture or treatment of semiconductor device (EPO)

257/E21.04 ..Device having at least one potential-jump barrier or surface barrier, e.g., PN junction,

depletion

layer, carrier concentration layer (EPO)

257/E21.499 ...Assembling semiconductor devices, e.g., packaging , including mounting, encapsulating, or

treatment

of packaged semiconductor (EPO)

257/E21.506Attaching or detaching leads or other conductive members, to be used for carrying current

to or

from the device in operation (EPO)

257/E21.509Involving soldering or alloying process, e.g., soldering wires (EPO)

257/E21.511Mounting on insulating member provided with metallic leads, e.g., flip-chip mounting,

conductive

die mounting (EPO)

2 257/E21.672 (0 OR, 2 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES
Could not find subclass title.

2 257/E23.004 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/E23.001 PACKAGING, INTERCONNECTS, AND MARKINGS FOR
SEMICONDUCTOR OR OTHER SOLID-STATE DEVICES (EPO)
257/E23.003 .Mountings, e.g., nondetachable insulating
substrates (EPO)
257/E23.004 ..Characterized by shape (EPO)

2 257/E23.079 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/E23.001 PACKAGING, INTERCONNECTS, AND MARKINGS FOR
SEMICONDUCTOR OR OTHER SOLID-STATE DEVICES (EPO)
257/E23.01 .Arrangements for conducting electric current
to or from solid-state body in operation, e.g.,
leads,
terminal arrangements (EPO)
257/E23.079 ...For integrated circuit devices, e.g. power
bus, number of leads (EPO)

2 257/E23.084 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/E23.03Carbon (EPO)
257/E23.08 .Arrangements for cooling, heating, ventilating
or temperature compensation; temperature-sensing
arrangements (EPO)
257/E23.083 ..Mountings or securing means for detachable
cooling or heating arrangements; fixed by friction,
plugs
or springs (EPO)
257/E23.084 ...With bolts or screws (EPO)

2 257/E23.114 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/E23.113Ceramic materials or glass (EPO)
257/E23.114 .Protection against radiation, e.g., light,
electromagnetic waves (EPO)

2 257/E23.153 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/E23.139 ...Liquid at normal operating temperature of
device (EPO)
257/E23.141 .Arrangements for conducting electric current
within device in operation from one component to
another,
interconnections, e.g., wires, lead frames (EPO)
257/E23.142 ..Including external interconnections
consisting of multilayer structure of conductive
and
insulating layers inseparably formed on
semiconductor body
(EPO)
257/E23.151 ...Geometry or layout of interconnection
structure (EPO)
257/E23.153Arrangements of power or ground buses (EPO)

2 257/E23.175 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/E23.139 ...Liquid at normal operating temperature of
device (EPO)
257/E23.141 .Arrangements for conducting electric current
within device in operation from one component to
another,
interconnections, e.g., wires, lead frames (EPO)
257/E23.169 ..Interconnection structure between plurality
of semiconductor chips being formed on or in
insulating
substrates (EPO)
257/E23.175 ...Geometry or layout of interconnection
structure (EPO)

2 257/E27.154 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/E27.102Read-only memory, ROM, structure (EPO)
257/E27.122 .Including active semiconductor component
sensitive to infrared radiation, light, or
electromagnetic
radiation of a shorter wavelength (EPO)
257/E27.127 ..Device controlled by radiation (EPO)
257/E27.13 ...Imager Including structural or functional
details of the device (EPO)
257/E27.15Charge coupled imager (EPO)
257/E27.154Area CCD imager (EPO)

2 273/143R (0 OR, 2 XR)
Class 273 : AMUSEMENT DEVICES: GAMES
273/138.1 CHANCE DEVICES
273/142R .Rotating disk
273/143R ..Edge indication

2 310/180 (1 OR, 1 XR)
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
310/10 DYNAMOELECTRIC
310/40R .Rotary
310/179 ..Windings and core structure
310/180 ...Field or excitation windings or structure

2 326/39 (1 OR, 1 XR)
Class 326 : ELECTRONIC DIGITAL LOGIC CIRCUITRY
326/37 MULTIFUNCTIONAL OR PROGRAMMABLE (E.G.,
UNIVERSAL, ETC.)
326/39 .Array (e.g., PLA, PAL, PLD, etc.)

2 327/295 (1 OR, 1 XR)
Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
DEVICES, CIRCUITS, AND SYSTEMS
327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
327/291 .Clock or pulse waveform generating
327/295 ..Plural outputs

2 327/427 (0 OR, 2 XR)

Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/365 GATING (I.E., SWITCHING INPUT TO OUTPUT)
 327/419 .Utilizing three or more electrode solid-state
 device
 327/427 ..Field-effect transistor

2 327/535 (1 OR, 1 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/524 SPECIFIC IDENTIFIABLE DEVICE, CIRCUIT, OR
 SYSTEM
 327/530 .With specific source of supply or bias voltage
 327/534 ..Having particular substrate biasing
 327/535 ...Having stabilized bias or power supply level

2 327/537 (0 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/524 SPECIFIC IDENTIFIABLE DEVICE, CIRCUIT, OR
 SYSTEM
 327/530 .With specific source of supply or bias voltage
 327/534 ..Having particular substrate biasing
 327/535 ...Having stabilized bias or power supply level
 327/537With field-effect transistor

2 327/63 (1 OR, 1 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/1 SPECIFIC SIGNAL DISCRIMINATING (E.G.,
 COMPARING, SELECTING, ETC.) WITHOUT SUBSEQUENT
 CONTROL
 327/50 .By amplitude
 327/63 ..Comparison between plural varying inputs

2 333/165 (2 OR, 0 XR)
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
 333/24R COUPLING NETWORKS
 333/165 .Frequency or time domain filters and delay
 lines utilizing charge transfer devices

2 333/166 (0 OR, 2 XR)
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
 333/24R COUPLING NETWORKS
 333/166 .Time domain filters

2 333/260 (1 OR, 1 XR)
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
 333/245 LONG LINE ELEMENTS AND COMPONENTS
 333/260 .Connectors and interconnections

2 341/26 (0 OR, 2 XR)
 Class 341 : CODED DATA GENERATION OR CONVERSION

341/20	BODILY ACTUATED CODE GENERATOR
341/22	.Including keyboard or keypad
341/26	..With particular key scanning feature
2 342/357.06	(0 OR, 2 XR)
Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/350	DIRECTIVE
342/352	.Including a satellite
342/357.01	..With position indicating
342/357.06	...Using Global Positioning Satellite (GPS or Glonass)
2 342/357.1	(2 OR, 0 XR)
Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/350	DIRECTIVE
342/352	.Including a satellite
342/357.01	..With position indicating
342/357.06	...Using Global Positioning Satellite (GPS or Glonass)
342/357.1Combined with telecommunication
2 342/357.13	(0 OR, 2 XR)
Class 342	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
342/350	DIRECTIVE
342/352	.Including a satellite
342/357.01	..With position indicating
342/357.06	...Using Global Positioning Satellite (GPS or Glonass)
342/357.13With storage device (i.e., map or database)
2 348/320	(1 OR, 1 XR)
Class 348	: TELEVISION
348/207.99	CAMERA, SYSTEM AND DETAIL
348/294	.Solid-state image sensor
348/311	..Charge-coupled architecture
348/317	...Field or frame transfer type
348/320Interline readout
2 358/496	(0 OR, 2 XR)
Class 358	: FACSIMILE AND STATIC PRESENTATION PROCESSING
358/400	FACSIMILE
358/471	.Picture signal generator
358/474	..Scanning
358/494	...Linear scanning pattern
358/496Document moves during scanning
2 361/18	(2 OR, 0 XR)
Class 361	: ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
361/1	SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/18	.Voltage regulator protective circuits

2 361/687 (0 OR, 2 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
ELECTRICAL COMPONENTS

361/679 .For electronic systems and devices
361/683 ..Computer related support
361/687 ...With cooling means

2 361/696 (0 OR, 2 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
ELECTRICAL COMPONENTS

361/679 .For electronic systems and devices
361/688 ..With cooling means
361/689 ...Fluid
361/690Air
361/694With air circulating means
361/695Fan or blower
361/696With heat exchanger unit

2 361/697 (0 OR, 2 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
ELECTRICAL COMPONENTS

361/679 .For electronic systems and devices
361/688 ..With cooling means
361/689 ...Fluid
361/690Air
361/694With air circulating means
361/695Fan or blower
361/697With heat sink or cooling fins

2 361/700 (0 OR, 2 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
ELECTRICAL COMPONENTS

361/679 .For electronic systems and devices
361/688 ..With cooling means
361/689 ...Fluid
361/699Liquid
361/700Change of physical state

2 361/705 (1 OR, 1 XR)
Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
ELECTRICAL COMPONENTS

361/679 .For electronic systems and devices
361/688 ..With cooling means
361/704 ...Thermal conduction
361/705By specific coating

2 361/719 (0 OR, 2 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
ELECTRICAL COMPONENTS

361/679 .For electronic systems and devices

361/688 ..With cooling means

361/704 ...Thermal conduction

361/717For active solid state devices

361/718For integrated circuit

361/719Circuit board mounted

2 361/767 (1 OR, 1 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
ELECTRICAL COMPONENTS

361/679 .For electronic systems and devices

361/748 ..Printed circuit board

361/760 ...Connection of components to board

361/767With mounting pad

2 361/783 (0 OR, 2 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE
ELECTRICAL COMPONENTS

361/679 .For electronic systems and devices

361/748 ..Printed circuit board

361/760 ...Connection of components to board

361/783Having semiconductive device

2 365/1 (1 OR, 1 XR)

Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL

365/1 MAGNETIC BUBBLES

2 365/151 (1 OR, 1 XR)

Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL

365/129 SYSTEMS USING PARTICULAR ELEMENT

365/151 .Molecular or atomic

2 365/158 (1 OR, 1 XR)

Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL

365/129 SYSTEMS USING PARTICULAR ELEMENT

365/158 .Magnetoresistive

2 365/170 (0 OR, 2 XR)

Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL

365/129 SYSTEMS USING PARTICULAR ELEMENT

365/170 .Hall effect

2 365/174 (1 OR, 1 XR)

Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL

365/129 SYSTEMS USING PARTICULAR ELEMENT

365/174 .Semiconductive

2 365/177 (1 OR, 1 XR)

Class 365 : STATIC INFORMATION STORAGE AND RETRIEVAL

	365/129	SYSTEMS USING PARTICULAR ELEMENT
	365/174	.Semiconductive
	365/177	..Bioplar and FET
2	365/189.04	(0 OR, 2 XR)
	Class 365 :	STATIC INFORMATION STORAGE AND RETRIEVAL
	365/189.01	READ/WRITE CIRCUIT
	365/189.04	.Simultaneous operations (e.g., read/write)
2	365/190	(1 OR, 1 XR)
	Class 365 :	STATIC INFORMATION STORAGE AND RETRIEVAL
	365/189.01	READ/WRITE CIRCUIT
	365/190	.For complementary information
2	365/2	(1 OR, 1 XR)
	Class 365 :	STATIC INFORMATION STORAGE AND RETRIEVAL
	365/1	MAGNETIC BUBBLES
	365/2	.Disposition of elements
2	365/218	(2 OR, 0 XR)
	Class 365 :	STATIC INFORMATION STORAGE AND RETRIEVAL
	365/189.01	READ/WRITE CIRCUIT
	365/218	.Erase
2	365/222	(0 OR, 2 XR)
	Class 365 :	STATIC INFORMATION STORAGE AND RETRIEVAL
	365/189.01	READ/WRITE CIRCUIT
	365/222	.Data refresh
2	365/228	(1 OR, 1 XR)
	Class 365 :	STATIC INFORMATION STORAGE AND RETRIEVAL
	365/226	POWERING
	365/228	.Data preservation
2	365/229	(1 OR, 1 XR)
	Class 365 :	STATIC INFORMATION STORAGE AND RETRIEVAL
	365/226	POWERING
	365/228	.Data preservation
	365/229	..Standby power
2	365/230.03	(0 OR, 2 XR)
	Class 365 :	STATIC INFORMATION STORAGE AND RETRIEVAL
	365/230.01	ADDRESSING
	365/230.03	.Plural blocks or banks
2	365/230.06	(0 OR, 2 XR)
	Class 365 :	STATIC INFORMATION STORAGE AND RETRIEVAL
	365/230.01	ADDRESSING
	365/230.06	.Particular decoder or driver circuit
2	365/233	(0 OR, 2 XR)
	Class 365 :	STATIC INFORMATION STORAGE AND RETRIEVAL
	365/230.01	ADDRESSING
	365/233	.Sync/clocking
2	365/233.5	(0 OR, 2 XR)
	Class 365 :	STATIC INFORMATION STORAGE AND RETRIEVAL

	365/230.01	ADDRESSING
	365/233	.Sync/clocking
	365/233.5	..Transition detection
2	365/72	(0 OR, 2 XR)
	Class 365	: STATIC INFORMATION STORAGE AND RETRIEVAL
	365/63	INTERCONNECTION ARRANGEMENTS
	365/72	.Transistors or diodes
2	365/95	(0 OR, 2 XR)
	Class 365	: STATIC INFORMATION STORAGE AND RETRIEVAL
	365/94	READ ONLY SYSTEMS (I.E.. SEMIPERMANENT)
	365/95	.With override (i.e., latent images)
2	368/10	(1 OR, 1 XR)
	Class 368	: HOROLOGY: TIME MEASURING SYSTEMS OR DEVICES
	368/10	COMBINED WITH DISPARATE DEVICE
2	370/422	(1 OR, 1 XR)
	Class 370	: MULTIPLEX COMMUNICATIONS
	370/351	PATHFINDING OR ROUTING
	370/389	.Switching a message which includes an address header
	370/422	..Centralized switching
2	375/222	(1 OR, 1 XR)
	Class 375	: PULSE OR DIGITAL COMMUNICATIONS
	375/219	TRANSCEIVERS
	375/222	.Modems (data sets)
2	377/81	(1 OR, 1 XR)
	Class 377	: ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR SHIFT REGISTERS: CIRCUITS AND SYSTEMS
	377/64	SHIFT REGISTER
	377/77	.Particular transfer means
	377/81	..Logic circuit
2	379/93.06	(0 OR, 2 XR)
	Class 379	: TELEPHONIC COMMUNICATIONS
	379/90.01	TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE ELECTRICAL SYSTEM OR SIGNALLING (E.G., COMPOSITE)
	379/93.01	.Having transmission of a digital message signal over a telephone line
	379/93.05	..Terminal interface circuitry
	379/93.06	...Digital
2	380/51	(0 OR, 2 XR)
	Class 380	: CRYPTOGRAPHY
	380/287	ELECTRIC SIGNAL MODIFICATION
	380/51	.Having production of printed copy (e.g., printer, typewriter)
2	380/55	(0 OR, 2 XR)
	Class 380	: CRYPTOGRAPHY
	380/55	HAVING PRODUCTION OF PRINTED COPY (E.G., CRYPTOGRAPHIC PRINTER OR TYPEWRITER)

2 429/1 (2 OR, 0 XR)
Class 429 : CHEMISTRY: ELECTRICAL CURRENT PRODUCING
APPARATUS, PRODUCT, AND PROCESS
429/1 HAVING POLARITY SAFETY FEATURE

2 429/158 (0 OR, 2 XR)
Class 429 : CHEMISTRY: ELECTRICAL CURRENT PRODUCING
APPARATUS, PRODUCT, AND PROCESS
429/122 CURRENT PRODUCING CELL, ELEMENTS,
SUBCOMBINATIONS AND COMPOSITIONS FOR USE THEREWITH

AND

ADJUNCTS
429/149 .Plural cells
429/156 ..Complete cells
429/158 ...Having intercell connector

2 438/253 (0 OR, 2 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/142 MAKING FIELD EFFECT DEVICE HAVING PAIR OF
ACTIVE REGIONS SEPARATED BY GATE STRUCTURE BY
FORMATION OR
ALTERATION OF SEMICONDUCTIVE ACTIVE REGIONS
438/197 .Having insulated gate (e.g., IGFET, MISFET,
MOSFET, etc.)
438/238 ..Including passive device (e.g., resistor,
capacitor, etc.)
438/239 ...Capacitor
438/253Stacked capacitor

2 438/399 (0 OR, 2 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/381 MAKING PASSIVE DEVICE (E.G., RESISTOR,
CAPACITOR, ETC.)
438/396 .Stacked capacitor
438/399 ..Having contacts formed by selective growth or
deposition

2 438/467 (0 OR, 2 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/466 DIRECT APPLICATION OF ELECTRICAL CURRENT
438/467 .To alter conductivity of fuse or antifuse
element

2 439/65 (0 OR, 2 XR)
Class 439 : ELECTRICAL CONNECTORS
439/55 PREFORMED PANEL CIRCUIT ARRANGEMENT, E.G., PCB,
ICM, DIP, CHIP, WAFER, ETC.
439/65 .With provision to conduct electricity from
panel circuit to another panel circuit

2 700/1 (1 OR, 1 XR)
Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
SPECIFIC APPLICATIONS

	700/1	GENERIC CONTROL SYSTEM, APPARATUS OR PROCESS
2	701/1	(1 OR, 1 XR)
	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/1	VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
2	701/213	(0 OR, 2 XR)
	Class	701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
	701/200	NAVIGATION
	701/207	.Employing position determining equipment
	701/213	..Using Global Positioning System (GPS)
2	705/52	(0 OR, 2 XR)
	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
	705/50	BUSINESS PROCESSING USING CRYPTOGRAPHY
	705/51	.Usage protection of distributed data files
	705/52	..Usage or charge determination
2	705/57	(1 OR, 1 XR)
	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
	705/50	BUSINESS PROCESSING USING CRYPTOGRAPHY
	705/51	.Usage protection of distributed data files
	705/57	..Copy protection or prevention
2	708/190	(1 OR, 1 XR)
	Class	708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING AND CALCULATING
	708/100	ELECTRICAL DIGITAL CALCULATING COMPUTER
	708/190	.Integrated circuit
2	709/224	(1 OR, 1 XR)
	Class	709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/200	MULTICOMPUTER DATA TRANSFERRING
	709/223	.Computer network managing
	709/224	..Computer network monitoring
2	710/3	(2 OR, 0 XR)
	Class	710 : ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS: INPUT/OUTPUT
	710/1	INPUT/OUTPUT DATA PROCESSING
	710/3	.Input/Output addressing
2	710/74	(1 OR, 1 XR)
	Class	710 : ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS: INPUT/OUTPUT
	710/1	INPUT/OUTPUT DATA PROCESSING
	710/62	.Peripheral adapting
	710/72	..Application-specific peripheral adapting
	710/74	...For data storage device
2	711/1	(1 OR, 1 XR)

Class	711	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY
711/1			ADDRESSING COMBINED WITH SPECIFIC MEMORY CONFIGURATION OR SYSTEM
2	711/202		(1 OR, 1 XR)
Class	711	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY
711/200			ADDRESS FORMATION
711/202			.Address mapping (e.g., conversion, translation)
2	712/200		(1 OR, 1 XR)
Class	712	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING
712/200			ARCHITECTURE BASED INSTRUCTION PROCESSING
2	712/223		(2 OR, 0 XR)
Class	712	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING
712/220			PROCESSING CONTROL
712/223			.Logic operation instruction processing
2	712/23		(1 OR, 1 XR)
Class	712	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING
712/1			PROCESSING ARCHITECTURE
712/23			.Superscalar
2	712/37		(2 OR, 0 XR)
Class	712	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING
712/1			PROCESSING ARCHITECTURE
712/32			.Microprocessor or multichip or multimodule processor having sequential program control
712/37			..Programmable (e.g., EPROM)
2	712/38		(0 OR, 2 XR)
Class	712	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION PROCESSING
712/1			PROCESSING ARCHITECTURE
712/32			.Microprocessor or multichip or multimodule processor having sequential program control
712/38			..Offchip interface
2	713/200		(1 OR, 1 XR)
Class	713	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT
713/200			SECURITY
2	713/201		(1 OR, 1 XR)
Class	713	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING

		SYSTEMS: SUPPORT
	713/200	SECURITY
	713/201	.Computer network
2	714/30	(2 OR, 0 XR)
	Class 714 :	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
	714/100	DATA PROCESSING SYSTEM ERROR OR FAULT HANDLING
	714/1	.Reliability and availability
	714/25	..Fault locating (i.e., diagnosis or testing)
	714/27	...Particular access structure
	714/30Built-in hardware for diagnosing or testing within-system component (e.g., microprocessor test mode circuit, scan path)
2	714/5	(1 OR, 1 XR)
	Class 714 :	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
	714/100	DATA PROCESSING SYSTEM ERROR OR FAULT HANDLING
	714/1	.Reliability and availability
	714/2	..Fault recovery
	714/3	...By masking or reconfiguration
	714/5Of memory or peripheral subsystem
2	714/719	(1 OR, 1 XR)
	Class 714 :	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
	714/699	PULSE OR DATA ERROR HANDLING
	714/718	.Memory testing
	714/719	..Read-in with read-out and compare
2	716/4	(2 OR, 0 XR)
	Class 716 :	DATA PROCESSING: DESIGN AND ANALYSIS OF CIRCUIT OR SEMICONDUCTOR MASK
	716/1	CIRCUIT DESIGN
	716/4	.Testing or evaluating

5308967 66
6253193 64
6292830 64
6363488 64
6389402 64
6427140 64
6168083 55
4800302 53
6069563 53
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4354442 51
RE32236 51
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Most Frequently Occurring Classifications of Patents Returned
From A Search of 10032184 on December 04, 2003

Original Classifications

4 365/185.11
3 29/740
3 235/492
3 361/111
3 365/15
3 438/396
3 712/228
2 165/170
2 165/80.3
2 206/714
2 333/165
2 342/357.1
2 361/18
2 361/699
2 365/149
2 365/218
2 429/1
2 705/26
2 705/80
2 710/3
2 711/103
2 712/223
2 712/32
2 712/37
2 714/30
2 716/4

Cross-Reference Classifications

7 62/259.2
5 257/E23.147
5 365/185.33
4 29/740
4 361/735
4 710/260
4 713/321
4 984/DIG 1
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Combined Classifications

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